An Introduction to Genetic Engineering

Dr Desmond S. T. Nicholl
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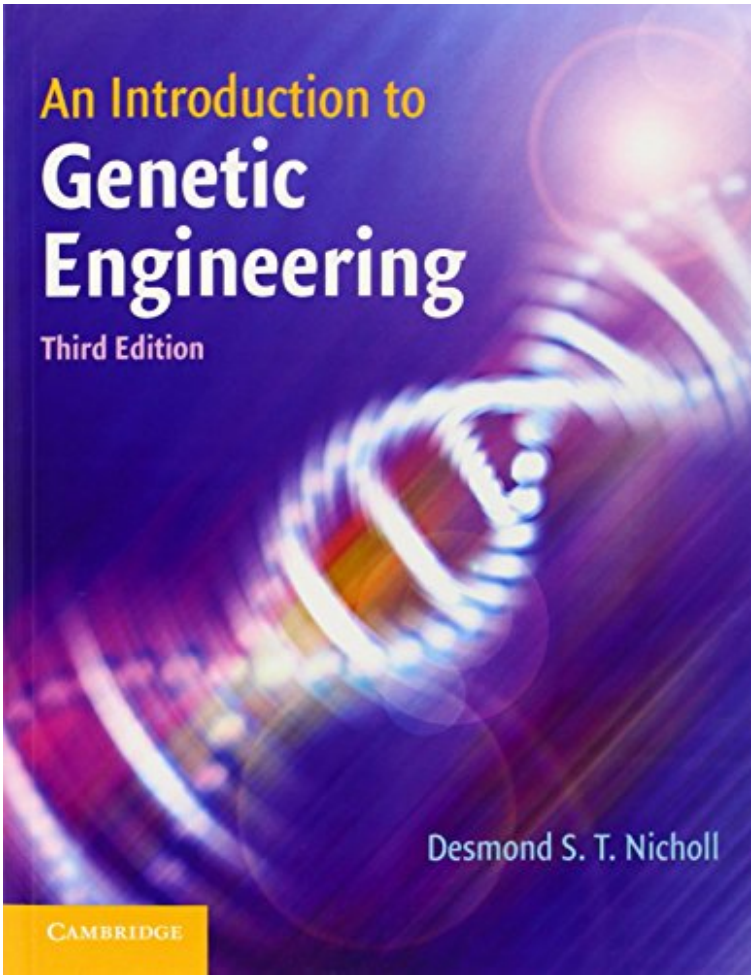

#1036933 in Books Desmond S T Nicholl 2008-06-23Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.96 x .63 x 6.97l, 1.65 #File Name: 0521615216347 pagesAn Introduction to Genetic Engineering | File size: 76.Mb

Dr Desmond S. T. Nicholl : An Introduction to Genetic Engineering before purchasing it in order to gage whether or not it would be worth my time, and all praised An Introduction to Genetic Engineering:

3 of 3 people found the following review helpful. Good but way behindBy d. schaedigDon't get me wrong, the info's good and it's kinda a good intro but it's soooooo behind in the field since genetic engineering has changed immensly over the 8 or 9 years so try and spend a bit more money and get more up to date books that will cover the recent discoveries.39 of 39 people found the following review helpful. Excellent for the non-biology expertBy Leo J IRAKLIOTISI came across this book searching for good introductory texts to be used as companions in a bioinformatics course intended for an audience of graduate students in computer science at the University of Chicago. This is definitely an outstanding text for this purpose. It's genetic engineering in a nutshell. Each chapter is summarized at its end by a "concept-diagram" that connects all the essential information in that chapter (I wish other

authors could do the same with their books). The book is divided in eight chapters, spanning over 165 pages approximately. It covers basic molecular biology (gene organization, expression), manipulation of nucleic acids (labelling, hybridisation, electrophoresis, and sequencing), restriction, modifying, and joining enzymes, vector techniques, cloning, recombinants, and applied issues (making proteins, transgenics, etc).0 of 0 people found the following review helpful. Four StarsBy George L.Good overview of genetic engineering.

In this third edition of his popular undergraduate-level textbook, Des Nicholl recognises that a sound grasp of basic principles is vital in any introduction to genetic engineering. Therefore, as well as being thoroughly updated, the book also retains its focus on the fundamental principles used in gene manipulation. The text is divided into three sections: Part I provides an introduction to the relevant basic molecular biology; Part II, the methods used to manipulate genes; and Part III, applications of the technology. There is a new chapter devoted to the emerging importance of bioinformatics as a distinct discipline. Other additional features include text boxes, which highlight important aspects of topics discussed, and chapter summaries, which include aims and learning outcomes. These, along with key word listings, concept maps and a glossary, will enable students to tailor their study to suit their own learning styles and ultimately gain a firm grasp of a subject that students traditionally find difficult.

'An easy to follow narrative, accompanied by simple, clear diagrams, provides the interested student with the background needed ... the book, therefore, fills an important niche and should be brought to the attention of upper-level undergraduate students and beginning graduate students in any branch of biology that makes use of molecular techniques.' ASM News'... easy to read, clear and well organised ... I certainly recommend it for all sixth-form libraries. In addition, this is an accessible but comprehensive basic text for the undergraduate to use.' Pauline Lowrie, Biology'I know my days of being lost and struggling to find my way in genetic engineering lectures would not have happened if I had come across this textbook much earlier.' Journal of Biological EducationAbout the AuthorDes Nicholl is a Senior Lecturer in Biological Sciences at the University of the West of Scotland, Paisley, Scotland, UK.